	0. (Amended) A process for preparing C ₅₀ comprising:
h 0)	(a) vaporizing a carbon source in the presence of an
Sulv	inert quenching gas under conditions effective to provide a
-	sooty carbon product comprising C ₆₀ molecules <u>in macroscopic</u>
0 -	amounts;
NJ	(b) depositing the sooty carbon product on a
· .	collecting substrate;
	(c) removing the sooty carbon product from the
	collecting surface; and
P	extracted \ (d) recovering a product [which is predominantly]
	comprising macroscopic amounts of C 60 from said sooty carbon
	product.
	Claim 62, Line 2, delete "step".
	Claim 63, Line 2, delete "step".
~	Claim 65, Line 2, delete "step".
8 , 2	66. (Amended) The process of Claims 45 or 50 wherein
2 ()	elemented the the carbon source is placed into an evacuated reactor prior to
	the vaporization thereof [vaporized in an evacuated reactor].
9	96. (Amended) The process of Claims [84]
<u> </u>	the depositing step comprises collecting the sooty carbon
CY	product on a collecting surface distanced 5-10 cm from said
	vaporization.
	160. (Amended) A process for preparing a carbon
	allotrope comprising caged molecules consisting solely of
	carbon atoms which are soluble in non-polar organic solvent,
	said process comprising vaporizing a carbon source in the
	presence of an inert gas to produce a carbon vapor, quenching
05	said vapor of carbon in said inert gas under conditions
	effective to nucleate and condense said vapor of carbon into a
	sooty carbon product containing said carbon allotrope, said
	allotrope being present in said sooty carbon product in amounts
	sufficient to be capable of extracting and recovering therefrom
	-2- bp/a:misc/7913zAzy/Mjc
1	at .

said allotrope in solid form and recovering a macroscopic amount of said carbon allotrope from said sooty carbon product.

Please add Claims 181-202 as follows:

-181. A process for preparing C comprising:

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(a) vaporizing elemental in the presence of an inert quenching gas under conditions effective to form a sooty carbon product comprising C_{60} molecules, said C_{60} molecules being present in said sooty carbon product in amounts capable of extracting and recovering predominantly therefrom said C_{60} in solid form; and

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extracting in solid form (b) recovering C_{60} from said sooty carbon product.

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182. A process of preparing a fullerene comprising:

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(a) vaporizing a carbon source in the presence of an inert quenching gas under conditions effective to form a sooty carbon product comprising fullerenes, said fullerenes being present in said sooty carbon product in macroscopic amounts and

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(b) recovering macroscopic amount of said fullerene from said sooty carbon product.

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183. The process according to Claim 182 wherein said fullerene is recovered in solid form.

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184. The process according to Claim 183 wherein said twocked fullerene recovered in solid form is a crystalline solid.

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185. The process according to Claim 183 wherein said fullerene recovered in solid form is substantially pure solid fullerene.

186. The process according to Claim 183 wherein said fullerene recovered in solid form is substantially pure crystalline fullerene.

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187. A process for preparing a fullerene comprising:

(a) vaporizing a carbon source in the presence of an inert quenching gas under conditions effective to provide a

sooty carbon product comprising macroscopic amounts of fullerenes;

- (b) depositing the sooty carbon product on a collecting surface
- (c) removing the sooty carbon product from the collecting surface; and
- (d) recovering a product comprising macroscopic amounts of a fullerene from said sooty carbon product.
- 188. The process according to Claim 187 wherein said fullerene is recovered in solid form.
- 189. The process according to Claim 188 wherein said fullerene recovered in solid form is a crystalline solid.
- 190. The process according to Claim 188 wherein said fullerene recovered in solid form is substantially pure solid fullerene.
- 191. The process according to Claim 189 wherein said crystalline solid is substantially pure crystalline fullerene.
- 192. The process according to Claim 182 or Claim 187 extracting wherein recovering comprises contacting the sooty carbon product with a non-polar organic solvent effective to dissolve said fullerene, said solvent being present in amounts sufficient to dissolve the fullerene present in said sooty carbon product.
- 193. The process according to Claim 192 wherein extracting further comprises separating from said solvent a solid fullerene.
- 194. The process of Claim 187 wherein depositing comprises collecting the sooty carbon product on a collecting surface distanced 5-10 cm from said vaporization.
- 195. The process of Claim 182 or Claim 187 wherein the carbon source is placed into an evacuated reactor prior to the vaporization thereof.